

# 9th Class 2019

Biology	Group-II	Paper-I
Time: 15 Minutes	(Objective Type)	Marks: 12

**Note:** Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1- **Sea star gains its lost arm by:**

- (a) Budding (b) Mitosis ✓ = 5  
(c) Meiosis (d) Fragmentation

2- **Transpiration rate does not depend upon:**

- (a) Leaf diameter (b) Temperature = 9  
(c) Air movement (d) CO<sub>2</sub> ✓

3- **Scientific name of onion is:**

- (a) Allium cepa ✓ = 3 (b) Asterias rubens  
(c) Zia maiz (d) Felis domesticus

4- **The whole series of light reaction is called:**

- (a) S-scheme (b) Z-Scheme ✓ = 7  
(c) L-scheme (d) P-scheme

5- **The blood group which contains antigen A:**

- (a) A ✓ = 9 (b) B  
(c) AB (d) O

6- **Famous book of Jabir Bin Hayan is:**

- (a) Al-Kheil (b) Al-Wahoosh = 1  
(c) Al-Nabatat ✓ (d) Al-Abil

7- **In 1831, nucleus was discovered in the cell by:**

- (a) Robert Hooke (b) Laveran = 4  
(c) Robert Brown ✓ (d) Louis Pasteur

8- **The malaria is spread in sparrows by:**

- (a) Anopheles (b) Dengue = 2  
(c) Aedes (d) Culex ✓

- 9- In 1894, Lock and Key Model was proposed by:  
(a) Emil Fischer ✓ (b) Daniel Koshland = 6  
(c) Winhelm (d) Calvin
- 10- Cell membrane is mainly composed of: = 4  
(a) Protein and lipids ✓ (b) Cholesterol  
(c) Lignin (d) Chitin
- 11- Five kingdom classification introduced by:  
(a) Margulis and Schwartz  
(b) Torn Efort = 3  
(c) Robert Whittaker ✓  
(d) Ernes Hackel
- 12- The disease caused by the deficiency of protein is:  
(a) Goitre (b) Osteoarthritis = 8  
(c) Marasmus ✓ (d) Colour blindness